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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DOCKET NO. 63469

Inventor: Douglas W. Carr and Lawrence P. Head

Serial No.: 10/007,604

BEFORE THE PRIMARY EXAMINER

Filed: November 7, 2001

Group Art Unit 3641

Title: BULLET FOR OPTIMAL PENETRATION AND EXPANSION

IDS # 2  
C. Burns  
5-1/26/02

DISCLOSURE UNDER RULE 1.56

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

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GROUP 3600

Dear Sir or Madam:

In accordance with Rule 1.56, the undersigned hereby advises that, at the present time, the Applicant's are aware of only the following patents which are pertinent relative to their above application. They are aware that there are undoubtedly other patents related to hollow-point bullets but the identifying details are not currently available to them. The inventors have indicated that they will continue to remain alert and to report any additional pertinent patents or other materials.

Discussion:

U.S. Patent No. 5,811,723 relates to a solid copper hollow-point bullet which is characterized by the use of slits to extend rearwardly from the open front end toward the rear to form spaced petals having a first and second edges at least one of which extends inwardly from the wall. In addition, there are a plurality of grooves on the outside surface of the wall extending rearwardly from the rearward end of each slit.

U.S. Patent No. 4,550,662 shows a bullet which is hollow pointed the cavity of which is generally frusto conical in form and is characterized by a series of rib members extending longitudinally and radially inwardly therein. The rib members split and thereafter concentrate forces created by incoming fluids to expand

the cavity and cause the ribs of the wall to extend radially outwardly.


U.S. Patent No. 5,259,320 shows a bullet having an axial cavity at its forward end within which longitudinally extending ribs are disposed along the peripheral portion of the cavity. The bullet has a terminal tip for controlling radial expansion of petals formed during the bullet impact to ensure human killing of game without fragmentation.

U.S. Patent No. 5,131,123 discloses a method of manufacturing a bullet which is hollow pointed and has an end face defined by a hollow cavity having an undulating peripheral edge and a generally convexed curvature of material constricting that peripheral edge. The punch has a plurality of triangular faces each of which has an apex merging at the tip of the punch. The forward end of the bullet is characterized by a generally convexed curvature which defines the peripheral edge and transforms the triangular portions, some of which are transformed into lines of weakness.

As indicated above, the inventors will remain alert for any additional relevant patents which may come to their attention in their daily efforts of the manufacture of ammunition and will report same if and when they are encountered; a supplemental disclosure will be submitted at that time.

In accordance with 37 CFR § 1.97(h), the filing of this Information Disclosure Statement is not to be construed as an admission that any references or combination of references cited herein is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

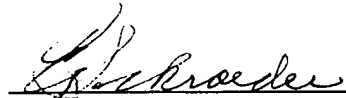
Respectfully submitted,

  
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EJS/wls  
Enclosures

CERTIFICATE OF MAILING

I hereby certify that the foregoing DISCLOSURE UNDER RULE 1.56 is being deposited with the U.S. Postal Service as First Class Mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, this 15<sup>th</sup> day of March, 2002

  
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Everett J. Schroeder